

IN THE SPECIFICATION:

Please amend the paragraph starting at page 12, line 5, as follows:

-- In the following, embodiments of the ~~resent~~present invention will be in details with reference to the drawings.--

Please amend the paragraph starting at page 14, line 6, as follows:

-- The digital multi-channel service signal sent from the communication satellite 200 will now be explained. In the present embodiment, the digital multi-channel service signal is compatible with a DVB (Digital Video Broadcasting) system. FIG. 6B shows a frame structure of digital broadcasting data in the DVB system, in which eight MPEG2 transport packets (cf. FIG. 6A) constitute one frame. In this case, using the synchronization byte (= 47H) in the packet, the synchronization byte is inverted once for every eight packets to synchronize frames. Each MPEG2 transport packet (MPEG2 TS packet) is added with an error correction code based on ~~READ~~REED SOLOMON (204, 188). Digital broadcasting data shown in FIG. 6B is further subjected to convolution coding (the punctured code rate is defined in the case of DVB: $\frac{1}{2}$, $\frac{2}{3}$, $\frac{3}{4}$, $\frac{5}{6}$, $\frac{7}{8}$) in the satellite system. The data is thereafter subjected to QPSK (Quadrature Phase Shift Keying) modulation, and is thereafter subjected to frequency conversion into a transmission frequency band. The data is then transmitted through a communication channel from the communication satellite 200.--

Please amend the paragraph beginning at page 15, line 3 as follows:

-- The PSI is information necessary to realize easy ~~turning~~ tuning operation and program selection. The PAT indicates PID of the PMT which transfers information of the packet constituting a program, for every program number (16-bit). FIG. 9 shows the table structure of the PAT. To the PID of the PAT itself, PID = "0x0000" is assigned.--

Please amend the paragraph beginning at page 22, line 1 as follows:

-- If services are provided through a plurality of satellites, a TS includes a plurality of NITs, e.g., NITa (Actual Network Information Table) concerning this TS and NITo (Other Network Information Table) concerning TS transmitted through the other satellites. These NITs can be distinguished from each other by the table IDs. In the NIT extraction section 440 described above, the NIT detection circuit 441 performs ~~NIT~~ NIT detection on both the NITa and NITo, and writes them into the FIFO memory 442 in the order as they are detected. The writing into the FIFO memory 442 is carried out with use of the write clock write_clk synchronized with the TS. Detection of the NIT by the NIT detection circuit 441 and processing of writing into the FIFO memory 442 are carried out in real time.--

Please amend the paragraph beginning at page 26, line 10 as follows:

--When writing of the NITa data of its own network into the SRAM 454B is completed (~~step S15~~) (step S16), or when the NIT packet detected by the NIT packet detection circuit 456 in the step S12 is not a NITa packet of its own network, whether or not the NIT packet detected by the NIT packet detection circuit 456 is a NITo packet of another network is determined (step S17). If it is not a NITo packet, the processing returns to the step S11 to wait

until the NIT packet detection circuit 456 detects a NITa packet of its own network or a NITo packet of another network. Otherwise, if it is a NITo packet, permission to write data into the memory section 451 is issued to the control section, and the address counter 455 is started (step S18). Thus, addresses are generated by the address counter 455, the NITo data of another network is written into the SRAM 454B (step S20).--

Please amend the paragraph beginning at page 29, line 20 as follows:

-- If it is a retransmission service, the service ID and service type are not deleted.

Thereafter, the descriptor length is confirmed (step S58). The service list descriptor (Service_list_descriptor) length is changed, and a stuffing descriptor (Stuff_descriptor) is inserted (step S59). Further, a satellite descriptor (Satellite_delivery_descriptor) is replaced with a cable delivery descriptor (Cable_delivery_descriptor) (step S60).

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